I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: August 11, 2009 Electronic Signature for Cynthia I., Kanik, Ph.D.; /Cynthia I., Kanik, Ph.D.;

Docket No.: UMY-035RCE

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Heidi A. Tissenbaum *et al.*

Application No.: 10/813324 Confirmation No.: 5837

Filed: March 29, 2004 Art Unit: 1649

For: NEUROTRANSMITTER SIGNALING CAN Examiner: Christina M. Borgeest

REGULATE LIFE SPAN IN C. ELEGANS

Mail Stop Amendment Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION

Dear Sir:

The claim amendments and accompanying remarks are responsive to the final Office Action from the U.S. Patent and Trademark Office dated February 11, 2009. A separate petition for an appropriate extension of time is being filed concurrently herewith. Please amend the application as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.